NZXT

NZXT C750 Gold Core

Serial Number -

Lab ID NZ75002900

Certification ID 252900

Test Result Report ID: 25PS2900A

Certificate Issue Date: Jul 28, 2025

Scheme: ETA-EMI PSU

115V



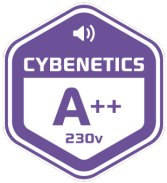
230V



115V



230V



Scheme: LAMBDA PSU



Outside Validation Scope



General Information

Test Equipment

Electronic Loads	Chroma 63601-5 x2 Chroma 63600-2 Chroma 63640-80-80 x10 Chroma 63610-80-20
AC Sources	Chroma 6530, APM SP300VAC4000W-P, GW Instek ASR-3500
Power Analyzers	Rohde & Schwarz HMC8015 & NPA701
Oscilloscopes	Picoscope 4444, Siglent SDS2104X PLUS
Sound Analyzer	Bruel & Kjaer 2270 G4
Microphone	Bruel & Kjaer Type 4955-A
Temperature Logger	Picoscope TC-08
Tachometer	UNI-T UT372
Multimeters	Keysight 34465A
EMI Analyzer	TekBox TBMR-110M-EU
Isolation Transformer	4kVA
UPS	FSP Champ Tower 3kVA, CyberPower OLS3000E 3kVA
Testing Methodology	Cybenetics PSU Test Protocol

DUT Information
(Non-accredited measurements)

Product Identification Details	
Brand	NZXT
Model	C750 Gold Core
OEM/ODM	HEC
Serial Number	-
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240

Rated Current (Arms)	5-10
Rated Frequency (Hz)	50-60
Rated Power (W)	750
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	135mm Fluid Dynamic Bearing Fan (HA13525H12SF-Z)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	NZ75002900
Date of receipt	Jun 24, 2025
Testing Date	Jul 24, 2025
Report Issued Date	Jul 28, 2025
Engineer Name	-
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors
(Non-accredited measurements)

Modular Cables				
Description	**Cable Count**	**Connector Count (Total)**	**Gauge**	In Cable Capacitors
ATX connector 24 pin (600mm)	1	1	16-18AWG	No
4+4 pin EPS12V (700mm)	1	1	18AWG	No
8 pin EPS12V (700mm)	1	1	18AWG	No
6+2 pin PCIe (650mm)	2	2	18AWG	No
12+4 pin PCIe (650mm) (300W)	1	1	16-24AWG	No

SATA (500mm+150mm+150mm+150mm)	2	8	18AWG	No
4-pin Molex (500mm+150mm+150mm)	1	3	18AWG	No

Protection Features

Under Voltage Protection	✓
Over Power Protection	✓
Over Current (+12V) Protection	✓
Over Temperature Protection	✓
Short Circuit Protection	✓
Surge Protection	✓
Inrush Current Protection	✓
Fan Failure Protection	✗

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	20	20	62.5	3	0
	Watts	120		750	15	0
Total Max. Power (W)		750				

Parts Description

General Data	
Manufacturer (OEM)	HEC
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 3x X caps, 2x CM chokes, 1x MOV, 1x Power IntegrationsCAP200DG (X Capacitor Discharge IC)
Inrush Protection	1x NTC Thermistor MF72 5D-15 (5 Ohm) & Relay
Bridge Rectifier(s)	2x GBU1008 (800V, 10A @ 100°C)
APFC MOSFETs	2x CRMicro CRJF125N60G2F (600V, 17A @ 100°C, Rds(on): 125mOhm)
APFC Boost Diode	1x Sanan SDS065J006C3 (650V, 6A @ 155°C)
Bulk Cap(s)	1x Teapo (400V, 470uF @ 105°C, TC(V))
Main Switchers	2x NCEPower NCE65TF130F (650V, 18A @ 25°C, Rds(on): 109mOhm)

APFC Controller	1x Champion CM6500UNX & 1x Champion CM03X (reduce the no-load consumption)
Resonant Controller	Champion CM6901T6X
Topology	Primary side: APFC, Half-Bridge & LLC Resonant converter Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters
Secondary Side	
+12V MOSFETs	4x Pingwei PWC012N04ES (40V, 132A @ 100°C, Rds(on): 1.2mOhm)
5V & 3.3V	DC-DC Converters: PWM Controller(s): ANPEC APW7159C
Filtering Capacitors	Electrolytic: 2x Teapo (3,000h @ 105°C, SC) 4x Elite (2-5,000h @ 105°C, ED(M)) 1x Elite (@ 105°C, PS(M)) Polymer: 8x Elite, 25x Biostar
Supervisor IC	Weltrend WT7527RT (OVP, UVP, OCP, SCP, PG)
MCU	Nuvoton M051FB9AE
Fan Model	Hong Hua HA13525H12SF-Z (135mm, 12V, 0.50A, Fluid Dynamic Bearing Fan)
5VSB	
Rectifier	1x PingWei PS1065L (60V, 10A)
Standby PWM Controller	Excelliance MOS EM8569D

Test Results

Temperature & Compliance Info

Temperature Range (°C /°F)	28-32 / 82.4-89.6
ErP Lot 3/6 Ready	✓
(EU) No 617/2013 Compliance	✓
ALPM (Alternative Low Power Mode) compatible	✓
ATX v3.1 PSU Power Excursion	✓

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	90.177%
Average Noise Output (>1450 Load Combinations)	8.70dBA
Average PF (>1450 Load Combinations)	0.987
Efficiency With 10W (≤500W) or 2% (>500W) Load	65.671%
Standby Power Consumption	0.0519W
Non-Accredited	
12V Ripple (Full Load)	31.77mV
5V Ripple (Full Load)	15.94mV
3.3V Ripple (Full Load)	12.74mV
5VSB Ripple (Full Load)	12.37mV
12V Load Regulation	0.87%
5V Load Regulation	0.86%
3.3V Load Regulation	1.16%
5VSB Load Regulation	2.00%
Inrush Current	34.690A

230V

Accredited	
Average Efficiency (>1450 load combinations)	92.070%
Average Noise Output (>1450 Load Combinations)	9.15dBA
Average PF (>1450 Load Combinations)	0.955
Efficiency With 10W (≤500W) or 2% (>500W) Load	66.452%
Standby Power Consumption	0.1120W
Non-Accredited	
12V Ripple (Full Load)	29.95mV
5V Ripple (Full Load)	14.84mV
3.3V Ripple (Full Load)	12.81mV

5VSB Ripple (Full Load)		9.77mV
12V Load Regulation		0.93%
5V Load Regulation		0.92%
3.3V Load Regulation		1.47%
5VSB Load Regulation		2.14%
Inrush Current		67.250A
12V Transient Response (200%)		11.60V
5V Transient Response (200%)		4.970V
3.3V Transient Response (200%)		3.246V
5VSB Transient Response (200%)		5.004V
Hold-Up Time & PWR_OK Signal		19.20ms
AC Loss to PWR_OK Hold Up Time		16.60ms
PWR_OK Inactive to DC Loss Delay		2.60ms
PSU Timings: T1 (20% / 100%)	49.0ms	49.0ms
PSU Timings: T3 (20% / 100%)	124.0ms	126.0ms
12V OCP (27.7°C / 43.1°C)	79.00A (126.40%), 12.051V	77.40A (123.84%), 12.046V
5V OCP (27.7°C / 43.1°C)	24A (120.00%), 5.047V	23.7A (118.50%), 5.046V
3.3V OCP (27.7°C / 43.1°C)	24.5A (122.50%), 3.299V	23.3A (116.50%), 3.302V
5VSB OCP (27.7°C / 43.1°C)	4.2A (140.00%), 5.043V	4.3A (143.33%), 5.043V
OPP (28.64°C / 43.97°C)	124.93%	121.59%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	19.2
AC Loss to PWR_OK Hold Up Time (ms)	16.6
PWR_OK Inactive to DC Loss Delay (ms)	2.6

Vampire Power

Tables

115V

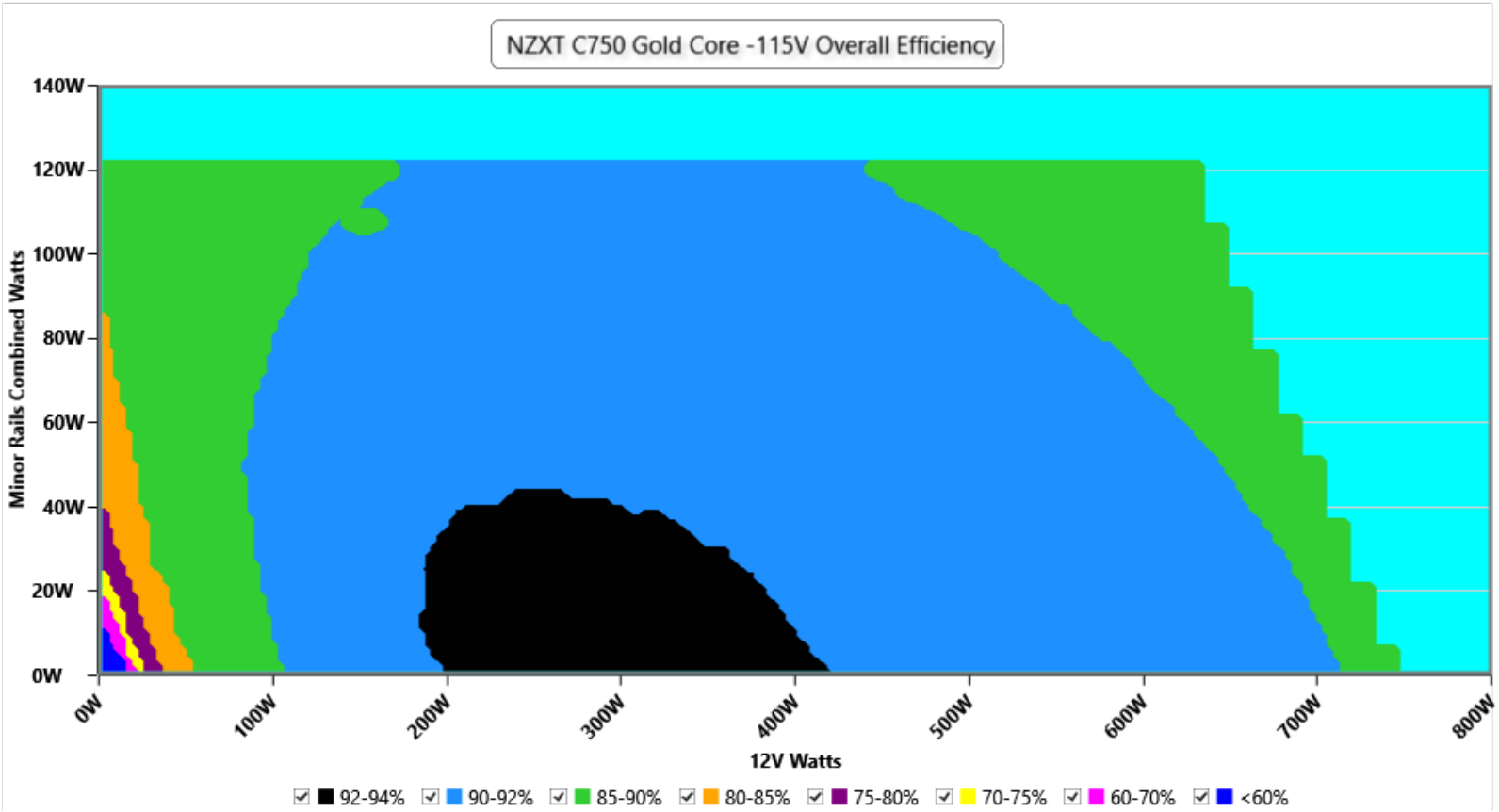
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.08 V	115.03 V	113.85 V	115.12 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.10 %	N/A	0.18 %	2.00 %	PASS
Real Power:	0.052 W	-0.003 W	N/A	0.085 W	N/A	N/A
Apparent Power:	11.081 W	11.021 W	N/A	11.135 W	N/A	N/A
Power Factor:	0.006	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	231.03 V	230.94 V	227.70 V	231.11 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	49.99 Hz	49.50 Hz	50.01 Hz	50.50 Hz	PASS
Mains Voltage CF:	1.417	1.416	1.340	1.419	1.490	PASS
Mains Voltage THD:	0.17 %	0.14 %	N/A	0.26 %	2.00 %	PASS
Real Power:	0.112 W	0.070 W	N/A	0.174 W	N/A	N/A
Apparent Power:	38.022 W	37.788 W	N/A	38.301 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

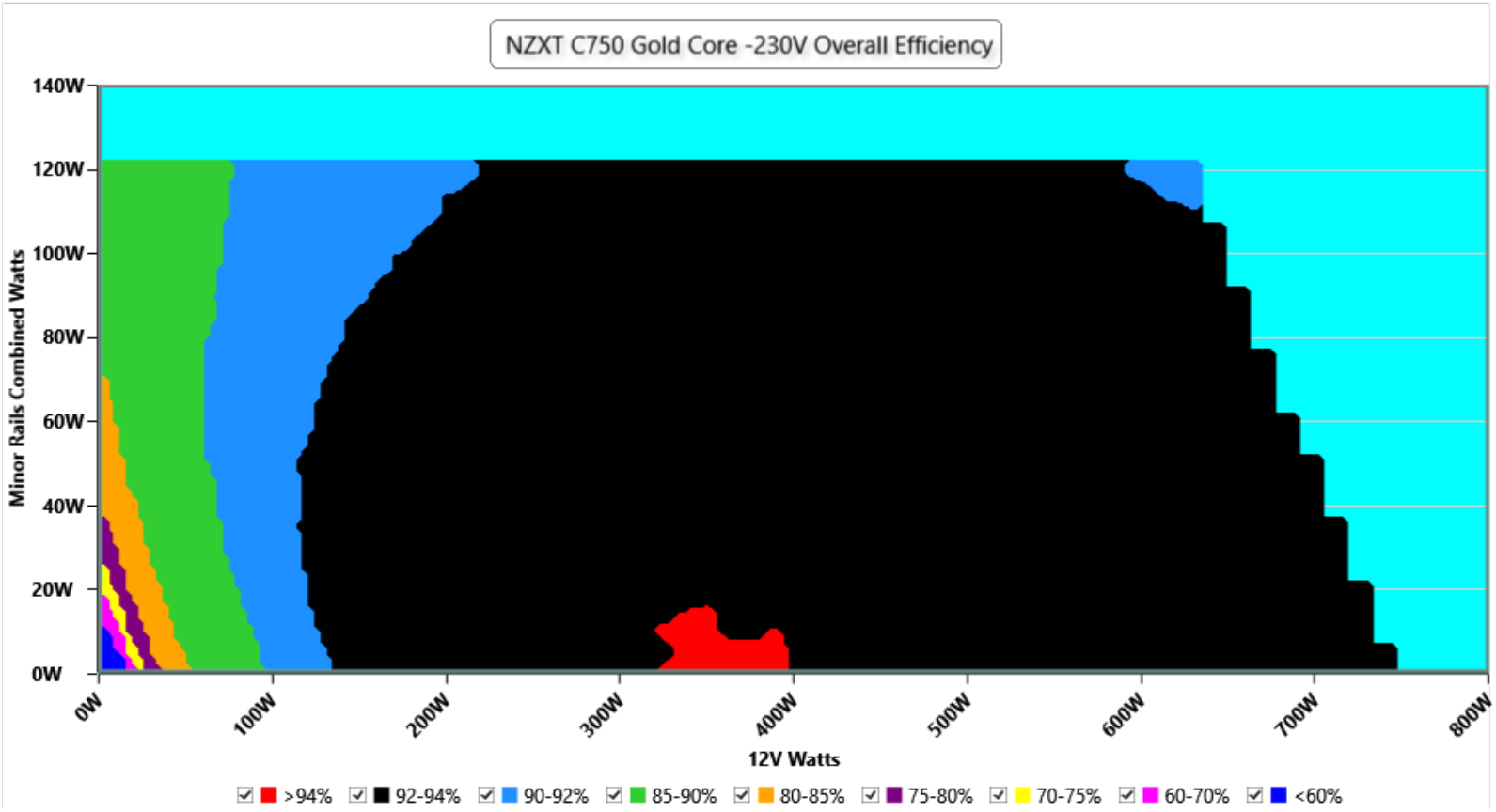
115V



INFO

This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

230V

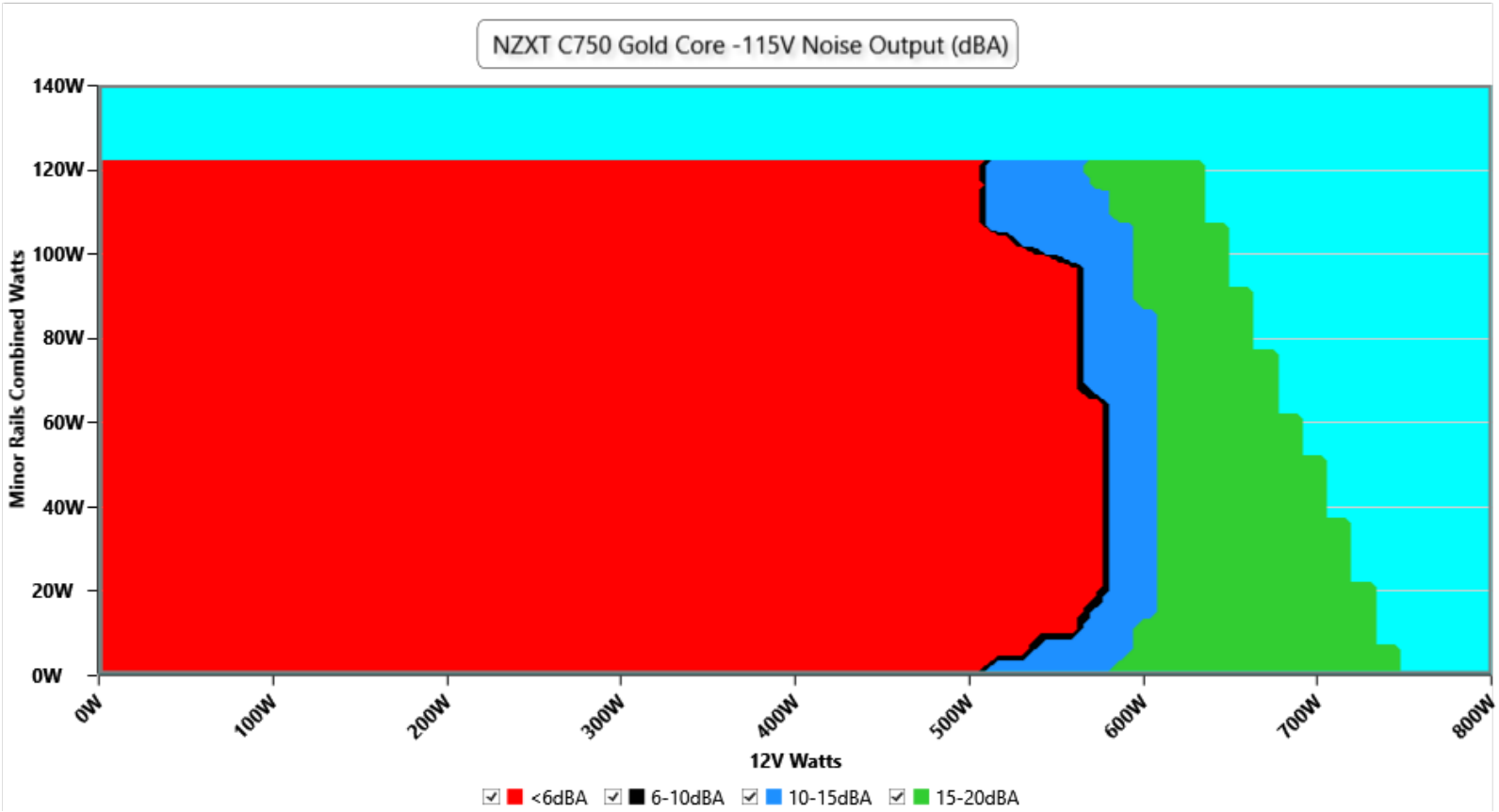


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Noise Graph

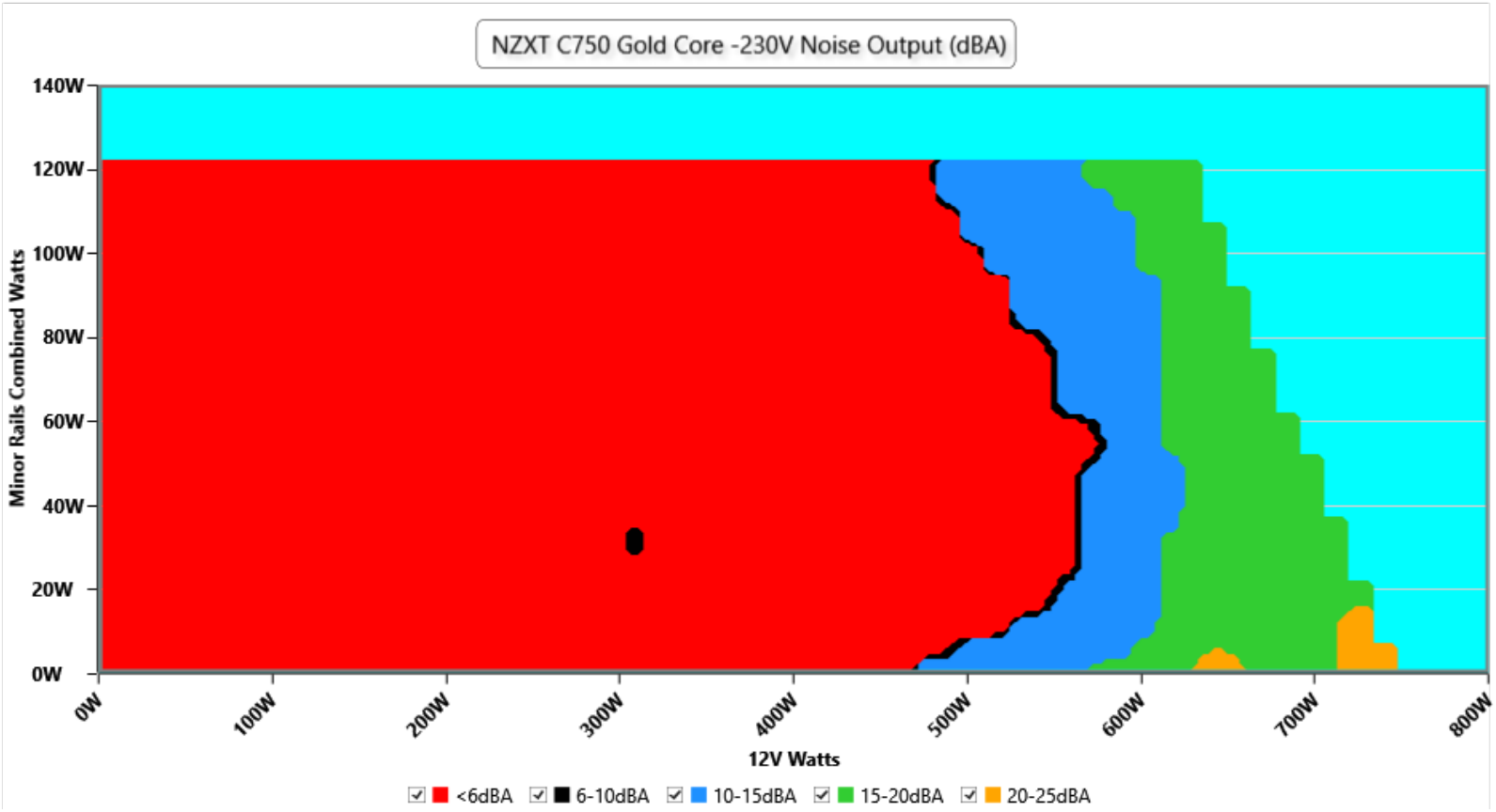
115V



INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

230V



INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Noise under high ambient temperature (indicative)

115V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 33.3 °C	0 RPM · <6.0 dB(A) · 50.6 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 35.5 °C	0 RPM · <6.0 dB(A) · 50.8 °C	fan off in both
50%	293 RPM · <6.0 dB(A) · 30.4 °C	353 RPM · <6.0 dB(A) · 42.3 °C	<6.0 in both
100%	744 RPM · 14.1 dB(A) · 30.6 °C	1480 RPM · 36.0 dB(A) · 45.7 °C	**+21.9 dB(A)**

230V

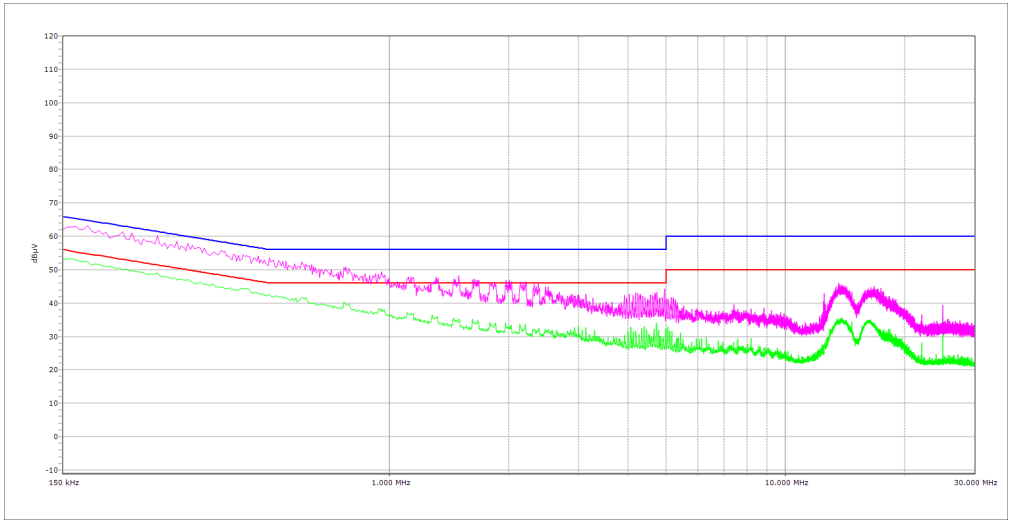
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 32.5 °C	0 RPM · <6.0 dB(A) · 46.6 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 33.3 °C	0 RPM · <6.0 dB(A) · 49.0 °C	fan off in both
50%	297 RPM · <6.0 dB(A) · 30.5 °C	303 RPM · <6.0 dB(A) · 42.1 °C	<6.0 in both
100%	749 RPM · 14.2 dB(A) · 30.5 °C	1385 RPM · 34.1 dB(A) · 45.3 °C	**+19.9 dB(A)**

INFO

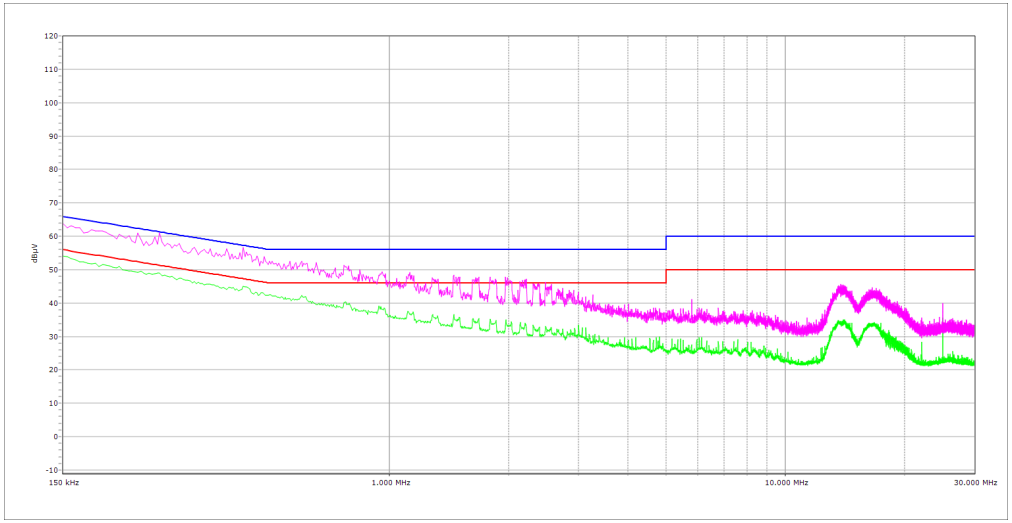
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative of how the fan behaves when it is hot. "<6.0" is the floor of our sound meter: the fan is stopped or too quiet to measure (the fan speed column says which); with the fan stopped, the intake sensor can read higher than the chamber air.

Informational. Not part of the ETA or LAMBDA rating.

Conducted Emissions EN 55032 & CISPR 32



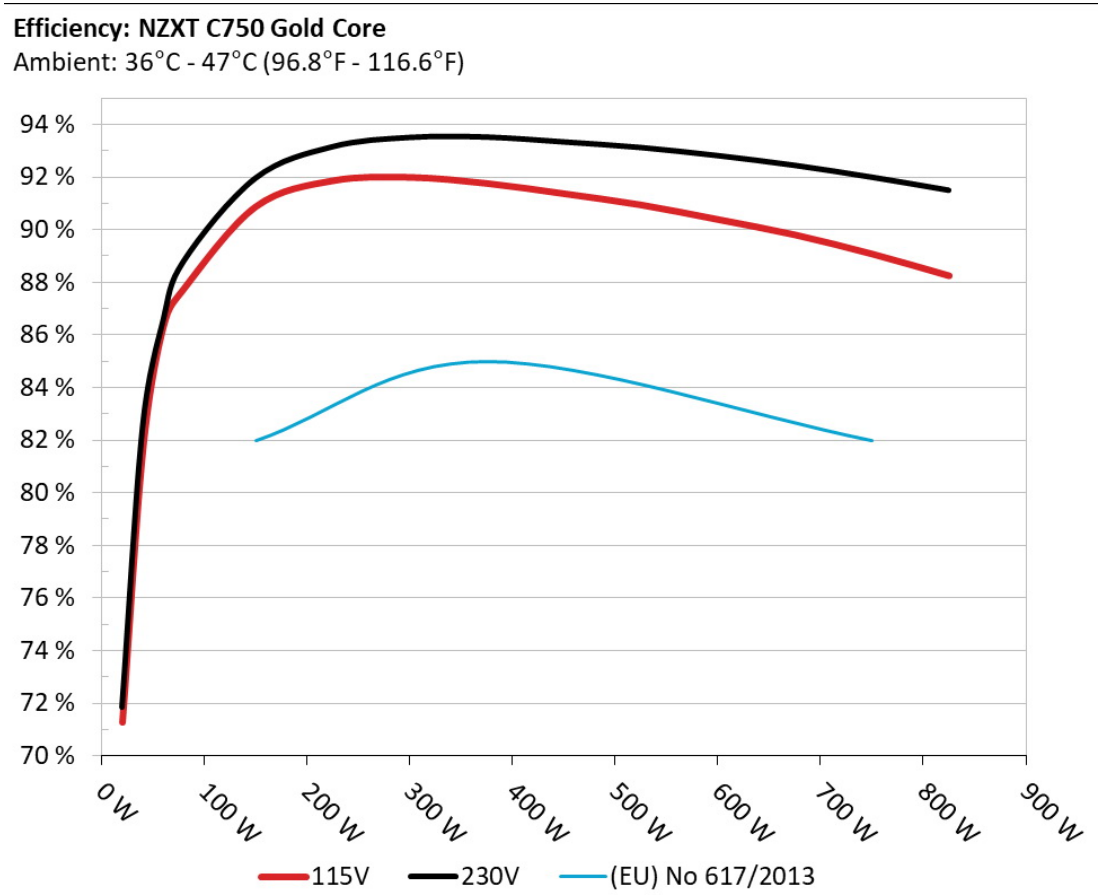
NEUTRAL



PHASE

Indicative Performance

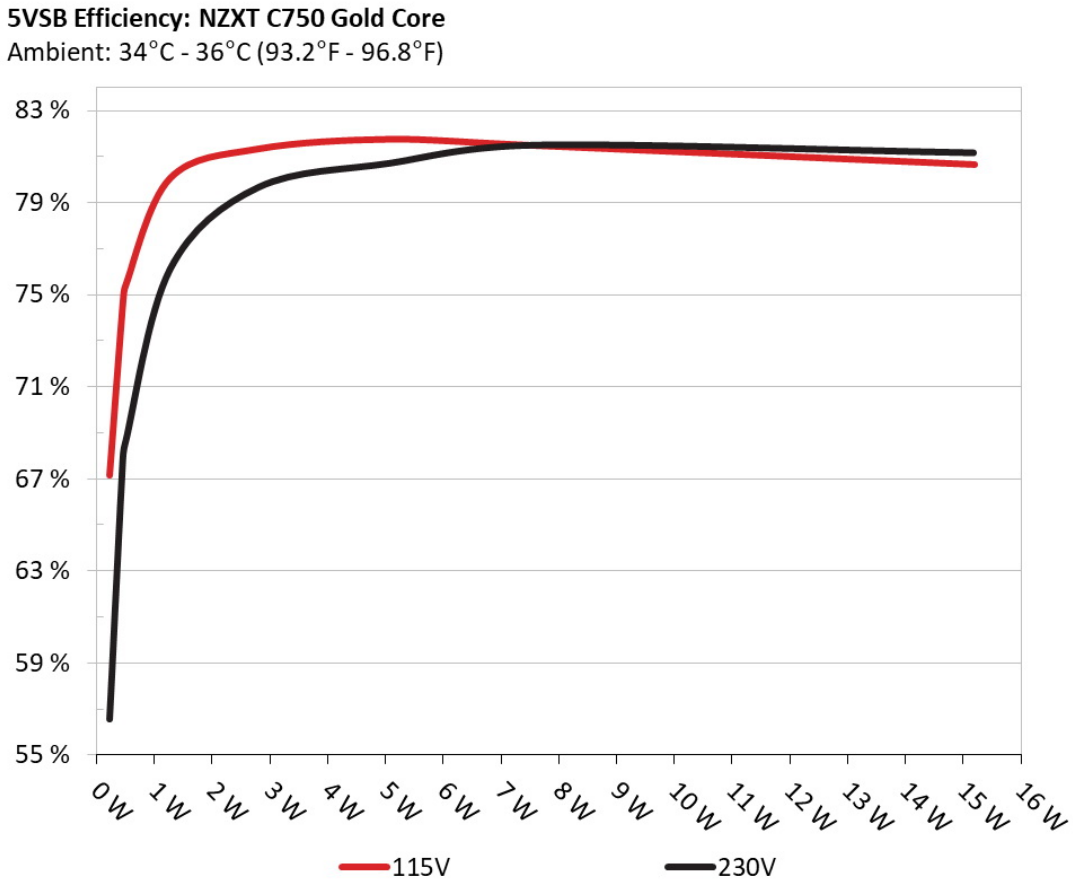
Efficiency under high ambient temperature



INFO

The PSU`s efficiency under high ambient temperatures with 115V and 230V input. For this graph the results of the 10-110% load regulation table are used

5VSB Efficiency



INFO

This graph depicts the efficiency levels of the 5VSB rail with 115V and 230V input

5VSB Efficiency (ERP LOT 3/6 & CEC)

115V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.23W	67.143%	0.031
	5.109V	0.343W		114.94V
2	**0.09A**	0.46W	74.655%	0.056
	5.108V	0.616W		114.93V
3	**0.55A**	2.806W	81.346%	0.249
	5.1V	3.449W		114.91V
4	**1A**	5.095W	81.767%	0.348
	5.093V	6.232W		114.92V
5	**1.5A**	7.63W	81.488%	0.401
	5.086V	9.363W		114.94V
6	**3A**	15.192W	80.665%	0.464
	5.063V	18.834W		114.95V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.23W	56.539%	0.011
	5.108V	0.409W		229.96V
2	**0.09A**	0.46W	67.908%	0.019
	5.107V	0.68W		229.95V
3	**0.55A**	2.806W	79.659%	0.093
	5.1V	3.524W		229.95V
4	**1A**	5.095W	80.713%	0.156
	5.093V	6.313W		229.95V
5	**1.501A**	7.63W	81.498%	0.213
	5.085V	9.363W		229.94V
6	**3.001A**	15.186W	81.161%	0.319
	5.061V	18.709W		229.94V

Protection Features

OCP (Normal @ 27.7°C)	12V: 79A (126.4%), 12.051V 5V: 24A (120%), 5.047V 3.3V: 24.5A (122.5%), 3.299V 5VSB: 4.2A (140%), 5.043V
OCP (Hot @ 43.1°C)	12V: 77.4A (123.84%), 12.046V 5V: 23.7A (118.5%), 5.046V 3.3V: 23.3A (116.5%), 3.302V 5VSB: 4.3A (143.33%), 5.043V
OPP (Normal @ 28.6°C)	936.95W (124.93%)
OPP (Hot @ 44°C)	911.95W (121.59%)
OTP	✓ (80°C @ Heat Sink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓
PWR_OK	Proper Operation
UVP (Full Load @ 90V)	✓
UVP (No Damage @ 80V)	✓
Conducted Emissions EN55032 & CISPR 32	✓
NLO	✓
Fan Failure Protection	✗
SIP	Surge: MOV Inrush: NTC & Bypass Relay

Supplementary Tests (For Reference)

Typical Load Tests

115V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	**4.404A**	**1.986A**	**1.991A**	**0.982A**	75.006	86.693%	0	<6.0	50.59°C	0.972
	12.126V	5.037V	3.316V	5.091V	86.52				40.02°C	114.93V
20%	**9.828A**	**2.982A**	**2.989A**	**1.181A**	149.972	90.868%	0	<6.0	50.79°C	0.985
	12.115V	5.032V	3.312V	5.082V	165.043				40.53°C	114.91V
30%	**15.607A**	**3.481A**	**3.491A**	**1.38A**	224.982	91.847%	0	<6.0	52.52°C	0.985
	12.106V	5.029V	3.309V	5.074V	244.957				41.09°C	114.89V
40%	**21.403A**	**3.981A**	**3.993A**	**1.58A**	300.077	91.976%	0	<6.0	54.04°C	0.984
	12.095V	5.026V	3.306V	5.066V	326.255				41.88°C	114.86V
50%	**26.828A**	**4.98A**	**4.998A**	**1.78A**	374.709	91.746%	353	<6.0	42.31°C	0.987
	12.084V	5.021V	3.302V	5.057V	408.422				52.37°C	114.84V
60%	**32.287A**	**5.982A**	**6.006A**	**1.982A**	449.644	91.357%	762	14.9	42.97°C	0.989
	12.074V	5.016V	3.297V	5.048V	492.185				50.4°C	114.82V
70%	**37.753A**	**6.986A**	**7.016A**	**2.184A**	524.553	90.931%	762	14.9	43.05°C	0.991
	12.063V	5.011V	3.293V	5.038V	576.875				50.37°C	114.8V
80%	**43.297A**	**7.99A**	**8.027A**	**2.286A**	599.772	90.375%	1005	24.1	43.87°C	0.993
	12.053V	5.006V	3.289V	5.031V	663.645				51.1°C	114.78V
90%	**49.186A**	**8.496A**	**8.522A**	**2.389A**	674.798	89.792%	1253	31.2	44.98°C	0.994
	12.042V	5.003V	3.285V	5.024V	751.521				51.58°C	114.76V
100%	**54.884A**	**9.003A**	**9.051A**	**2.996A**	750.025	89.065%	1480	36	45.66°C	0.995
	12.031V	4.999V	3.281V	5.008V	842.114				52.14°C	114.74V
110%	**60.463A**	**10.011A**	**10.159A**	**2.999A**	825.057	88.238%	1674	39.2	46.36°C	0.996
	12.020V	4.995V	3.278V	5.002V	935.031				53.06°C	114.73V
CL1	**0.116A**	**14.409A**	**14.451A**	**0A**	121.306	85.526%	1129	27.5	41.45°C	0.98
	12.106V	5.011V	3.3V	5.09V	141.835				46.54°C	114.91V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	**0.116A**	**19.966A**	**0A**	**0A**	101.401	83.51%	1327	32.7	40.46°C	0.98
	12.116V	5.008V	3.313V	5.099V	121.423				43.04°C	114.91V
CL3	**0.115A**	**0A**	**19.989A**	**0A**	67.393	79.569%	570	<6.0	41.13°C	0.972
	12.118V	5.037V	3.302V	5.096V	84.699				43.7°C	114.93V
CL4	**62.265A**	**0A**	**0A**	**0A**	749.776	89.873%	1254	31.3	45.97°C	0.995
	12.041V	5.021V	3.294V	5.067V	834.264				52.47°C	114.75V

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	**4.405A**	**1.986A**	**1.992A**	**0.983A**	75.019	87.815%	0	<6.0	46.63°C	0.836
	12.125V	5.038V	3.315V	5.089V	85.428				40.11°C	229.95V
20%	**9.831A**	**2.982A**	**2.992A**	**1.182A**	150.008	91.957%	0	<6.0	48.96°C	0.925
	12.114V	5.033V	3.31V	5.08V	163.132				40.92°C	229.93V
30%	**15.612A**	**3.481A**	**3.495A**	**1.381A**	225.027	93.15%	0	<6.0	48.73°C	0.952
	12.104V	5.029V	3.305V	5.071V	241.573				41.33°C	229.92V
40%	**21.412A**	**3.982A**	**4A**	**1.581A**	300.133	93.502%	0	<6.0	50.29°C	0.965
	12.092V	5.025V	3.301V	5.062V	320.993				41.87°C	229.91V
50%	**26.850A**	**4.983A**	**5.008A**	**1.782A**	374.912	93.516%	303	<6.0	42.13°C	0.971
	12.082V	5.019V	3.296V	5.052V	400.909				51.47°C	229.91V
60%	**32.303A**	**5.984A**	**6.017A**	**1.984A**	449.783	93.333%	759	14.7	42.89°C	0.975
	12.071V	5.015V	3.291V	5.043V	481.914				51.18°C	229.93V
70%	**37.765A**	**6.988A**	**7.031A**	**2.186A**	524.619	93.121%	758	14.6	43.29°C	0.978
	12.061V	5.011V	3.286V	5.033V	563.375				50.87°C	229.96V
80%	**43.313A**	**7.993A**	**8.046A**	**2.29A**	599.841	92.813%	865	19.3	43.7°C	0.98
	12.050V	5.005V	3.281V	5.024V	646.294				51.15°C	229.95V
90%	**49.209A**	**8.5A**	**8.547A**	**2.393A**	674.917	92.445%	1128	27.5	44.15°C	0.981
	12.039V	5.001V	3.276V	5.016V	730.071				50.92°C	229.93V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	**54.915A**	**9.009A**	**9.08A**	**3.001A**	750.181	91.993%	1385	34.1	45.26°C	0.983
	12.027V	4.996V	3.271V	5V	815.48				51.62°C	229.9V
110%	**60.505A**	**10.021A**	**10.201A**	**3.006A**	825.231	91.499%	1674	39.2	46.77°C	0.985
	12.014V	4.99V	3.265V	4.992V	901.904				53.05°C	229.88V
CL1	**0.117A**	**14.387A**	**14.475A**	**0A**	121.321	85.904%	1125	27.5	40.47°C	0.91
	12.104V	5.019V	3.296V	5.087V	141.232				46.57°C	229.98V
CL2	**0.116A**	**19.91A**	**0A**	**0A**	101.405	84.389%	1124	27.4	40.61°C	0.893
	12.114V	5.023V	3.31V	5.096V	120.167				43.87°C	230.02V
CL3	**0.115A**	**0A**	**20.011A**	**0A**	67.397	79.149%	567	<6.0	41.24°C	0.835
	12.116V	5.034V	3.298V	5.094V	85.153				45.11°C	230.05V
CL4	**62.280A**	**0A**	**0A**	**0A**	749.799	92.795%	1249	31.1	45.41°C	0.983
	12.039V	5.013V	3.287V	5.061V	808.018				51.85°C	229.97V

The results above are not used in the certification process

Light Load Tests

115V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20W	**1.224A**	**0.496A**	**0.497A**	**0.196A**	20.007	71.273%	0	<6.0	43.81°C	0.883
	12.136V	5.042V	3.319V	5.108V	28.071				36.4°C	114.94V
40W	**2.694A**	**0.694A**	**0.696A**	**0.294A**	40.004	81.677%	0	<6.0	45.61°C	0.949
	12.133V	5.042V	3.319V	5.105V	48.978				37.27°C	114.94V
60W	**4.166A**	**0.893A**	**0.895A**	**0.392A**	60.003	86.328%	0	<6.0	47.36°C	0.968
	12.130V	5.04V	3.318V	5.102V	69.506				38.55°C	114.93V
80W	**5.636A**	**1.092A**	**1.094A**	**0.49A**	79.971	87.749%	0	<6.0	48°C	0.973
	12.127V	5.039V	3.317V	5.1V	91.134				39.35°C	114.92V

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20W	**1.224A**	**0.496A**	**0.497A**	**0.196A**	20.014	71.866%	0	<6.0	42.7°C	0.525
	12.138V	5.042V	3.319V	5.107V	27.848				36.89°C	229.97V
40W	**2.694A**	**0.694A**	**0.696A**	**0.294A**	40.012	82.497%	0	<6.0	42.76°C	0.703
	12.135V	5.041V	3.318V	5.104V	48.502				37.39°C	229.96V
60W	**4.166A**	**0.893A**	**0.896A**	**0.392A**	60.012	86.549%	0	<6.0	45.44°C	0.79
	12.131V	5.04V	3.317V	5.101V	69.337				38.84°C	229.96V
80W	**5.636A**	**1.092A**	**1.095A**	**0.491A**	79.993	88.801%	0	<6.0	45.42°C	0.846
	12.128V	5.039V	3.316V	5.098V	90.081				39.44°C	229.95V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	12.37mV	10.71mV	5.90mV	8.71mV	Pass
20% Load	13.64mV	9.64mV	4.63mV	8.00mV	Pass
30% Load	17.25mV	9.95mV	4.68mV	8.20mV	Pass
40% Load	16.38mV	10.61mV	5.14mV	9.12mV	Pass
50% Load	17.10mV	10.25mV	4.78mV	8.87mV	Pass
60% Load	18.12mV	10.56mV	5.14mV	9.43mV	Pass
70% Load	18.32mV	10.51mV	5.34mV	9.27mV	Pass
80% Load	18.77mV	11.33mV	7.73mV	9.43mV	Pass
90% Load	20.56mV	11.38mV	8.04mV	10.29mV	Pass
100% Load	31.77mV	15.94mV	12.74mV	12.37mV	Pass
110% Load	50.42mV	45.56mV	19.34mV	34.52mV	Pass
Crossload1	22.38mV	13.31mV	9.43mV	8.89mV	Pass
Crossload2	12.77mV	13.26mV	5.24mV	8.05mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	15.06mV	10.66mV	10.17mV	8.71mV	Pass
Crossload4	29.93mV	11.43mV	5.71mV	11.09mV	Pass

The results above are not used in the certification process

230V

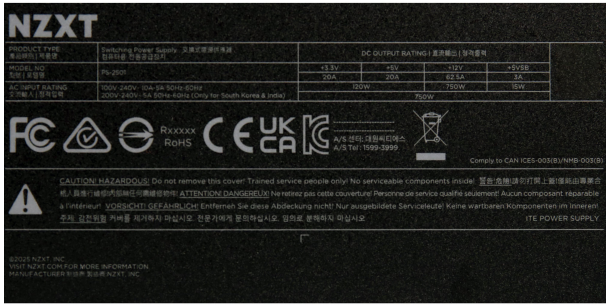
Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	9.77mV	7.50mV	5.34mV	5.91mV	Pass
20% Load	12.48mV	6.58mV	4.17mV	5.61mV	Pass
30% Load	15.23mV	6.58mV	4.37mV	5.86mV	Pass
40% Load	16.04mV	7.86mV	4.53mV	6.32mV	Pass
50% Load	16.20mV	7.60mV	4.48mV	7.03mV	Pass
60% Load	15.47mV	7.86mV	4.68mV	6.78mV	Pass
70% Load	17.45mV	8.37mV	5.19mV	7.59mV	Pass
80% Load	17.35mV	9.08mV	7.93mV	7.59mV	Pass
90% Load	18.32mV	10.05mV	8.54mV	8.46mV	Pass
100% Load	29.95mV	14.84mV	12.81mV	9.77mV	Pass
110% Load	33.04mV	15.84mV	13.27mV	9.89mV	Pass
Crossload1	21.31mV	12.14mV	8.78mV	7.45mV	Pass
Crossload2	10.69mV	13.01mV	4.68mV	6.93mV	Pass
Crossload3	13.03mV	6.73mV	10.22mV	5.81mV	Pass
Crossload4	28.87mV	10.34mV	5.52mV	8.34mV	Pass

The results above are not used in the certification process

NZXT C750 Gold Core



Top side



Power specifications label

All data and graphs included in this test report can be used by any individual on the following conditions:
› It should be mentioned that the test results are provided by Cybenetics
› The link to the original test results document should be provided in any case

Cybenetics runs voluntary certification programs for power supplies - ETA for efficiency, LAMBDA for noise and SAFE for safety and correct operation - and for cooling products, with DELTA for chassis soundproofing and PHI for fan airflow and static pressure. THETA rates cooler performance on AMD AM5 and Intel LGA1851 outside ISO 17065 and accreditation scope

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